

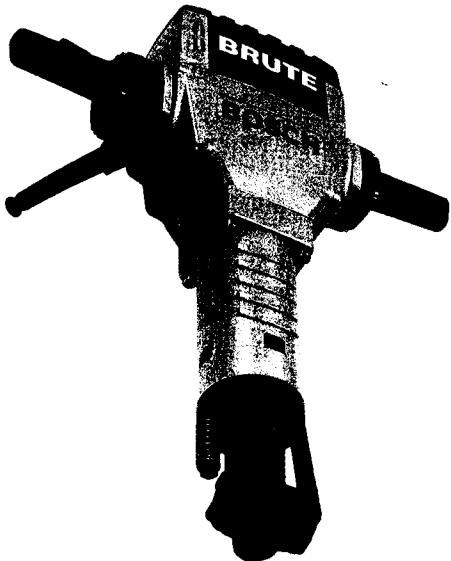
# BOSCH

## BRUTE™ BREAKER HAMMER

11304

Brute™ Breaker Hammer

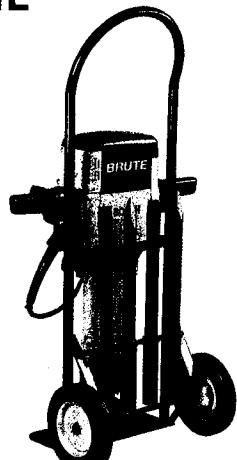
**BRUTE™**



11304K

Brute™ Breaker Hammer Kit

**BRUTE™**



## The Plug-In-Anywhere Brute™ Breaker Hammer

A legend for more than 20 years, the Brute continues to perform through any working condition. A favorite among the rental industry for its long term sustained durability and minimal down time, the Brute breaker is always at home on the job site.

### Features

- The plug-in-anywhere breaker hammer - does not need a compressor
- Total portability - operates on 115/120V AC/DC, 15 Amp outlet or 2,500 watt portable generator
- Service-Minder brush system - shuts the Brute off when brush replacement, lubrication, or preventative maintenance is needed
- Grease packed gear box and hammer mechanism - eliminates uncertainty of job site lubrication
- Shock mounted handles - absorbs vibration to reduce operator fatigue
- 2-way tool retainer - accepts standard 1-1/8" hex, air tool steel with retaining collar or Bosch internal locking combo steel

### Specifications

Rating	120V AC/DC
Amperage	15
Loaded BPM	1400
Impact Energy (ft./lbs.)	43
Length (in.)	29.75
Weight (lbs.)	64

### Optional Equipment

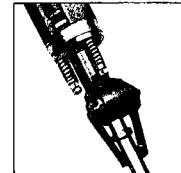
Hammer Hauler	T1657
---------------	-------

### 2-Way tool retainer

Two-way insert tool retainer accepts standard 1 1/8" hex, air tool steel with retaining collar or Bosch internal locking combo steel.



Up for combo steel.



Down for air tool steel.

### Features

- Kit includes catalog number 11304, two moil points, two narrow chisels, and one hammer hauler
- 8" Diameter semi-pneumatic, ball bearing wheels - easy rolling over rough job sites
- Rugged 1" diameter all welded steel frame, plus heavy-duty rubber tie-down - for convenient storage and easy transportation
- 4 Sockets - holds any 1-1/8" hex collar insert tools

### Specifications

Rating	120V AC/DC
Amperage	15
No Load BPM	1400
Impact Energy (ft./lbs.)	43
Length (in.)	
Breaker Hammer	29.75
Hauler	46.5
Weight (lbs.)	
Breaker Hammer	64
Hauler	26

### Standard Equipment

Breaker Hammer	11304
2 Moil Points	HS2161
2 Narrow Chisels	HS2163
Hammer Hauler	T1657



**IMPORTANT:**  
Read Before Using

**IMPORTANT :**  
Lire avant usage

**IMPORTANTE:**  
Leer antes de usar



**Operating/Safety Instructions**  
**Consignes de fonctionnement/sécurité**  
**Instrucciones de funcionamiento**  
**y seguridad**



11304

MODEL # 0611304139

S/N. 385000455

ITEM # 17

10-29-03

**BOSCH**

**Consumer Information**  
**Renseignement des consommateurs**  
**Información para el consumidor**

Toll Free Number:      Appel gratuit :      Número de teléfono gratuito:  
1-877-BOSCH99 (1-877-267-2499) <http://www.boschtools.com>

For English  
See page 2

Parlez-vous français?  
Voir page 9

¿Habla español?  
Ver página 16

**WARNING** Read and understand all instructions. Failure to follow all instructions listed below, may result in electric shock, fire and/or serious personal injury.

### SAVE THESE INSTRUCTIONS

#### Work Area

**Keep your work area clean and well lit.** Cluttered benches and dark areas invite accidents.

**Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.** Power tools create sparks which may ignite the dust or fumes.

**Keep by-standers, children, and visitors away while operating a power tool.** Distractions can cause you to lose control.

#### Electrical Safety

**Double Insulated tools are equipped with a polarized plug (one blade is wider than the other.) This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install a polarized outlet. Do not change the plug in any way.** Double insulation  eliminates the need for the three wire grounded power cord and grounded power supply system. *Before plugging in the tool, be certain the outlet voltage supplied is within the voltage marked on the nameplate. Do not use "AC only" rated tools with a DC power supply.*

**Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is grounded. If operating the power tool in damp locations is unavoidable, a Ground Fault Circuit Interrupter must be used to supply the power to your tool. Electrician's rubber gloves and footwear will further enhance your personal safety.

**Don't expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.

**Do not abuse the cord.** Never use the cord to carry the tools or pull the plug from an outlet. Keep cord away from heat, oil, sharp edges or moving parts. Replace damaged cords immediately. Damaged cords increase the risk of electric shock.

**When operating a power tool outside, use an outdoor extension cord marked "W-A" or "W."** These cords are rated for outdoor use and reduce the risk of electric shock. Refer to "Recommended sizes of Extension Cords" in the Accessory section of this manual.

#### Personal Safety

**Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use tool while tired or under the influence of drugs, alcohol, or medication.** A moment of inattention while operating power tools may result in serious personal injury.

**Dress properly. Do not wear loose clothing or jewelry.** Contain long hair. Keep your hair, clothing, and gloves away from moving parts. Loose clothes, jewelry, or long hair can be caught in moving parts. Keep handles dry, clean and free from oil and grease.

**Avoid accidental starting.** Be sure switch is "OFF" before plugging in. Carrying tools with your finger on the switch or plugging in tools that have the switch "ON" invites accidents.

**Remove adjusting keys or wrenches before turning the tool "ON".** A wrench or a key that is left attached to a rotating part of the tool may result in personal injury.

**Do not overreach.** Keep proper footing and balance at all times. Proper footing and balance enables better control of the tool in unexpected situations.

**Use safety equipment.** Always wear eye protection. Dust mask, non-skid safety shoes, hard hat, or hearing protection must be used for appropriate conditions.

#### Tool Use and Care

**Use clamps or other practical way to secure and support the workpiece to a stable platform.** Holding the work by hand or against your body is unstable and may lead to loss of control.

**Do not force tool. Use the correct tool for your application.** The correct tool will do the job better and safer at the rate for which it is designed.

**Do not use tool if switch does not turn it "ON" or "OFF".** Any tool that cannot be controlled with the switch is dangerous and must be repaired.

**Disconnect the plug from the power source before making any adjustments, changing accessories, or storing the tool.** Such preventive safety measures reduce the risk of starting the tool accidentally.

**Store idle tools out of reach of children and other untrained persons.** Tools are dangerous in the hands of untrained users.

**Maintain tools with care.** Keep cutting tools sharp and clean. Properly maintained tools, with sharp cutting edges are less likely to bind and are easier to control. Any alteration or modification is a misuse and may result in a dangerous condition.

**Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tools**

**operation.** If damage occurs, have the tool serviced before using. Many accidents are caused by poorly maintained tools. Develop a periodic maintenance schedule for your tool.

**Use only accessories that are recommended by the manufacturer for your model.** Accessories that may be suitable for one tool, may become hazardous when used on another tool.

#### Service

**Tool service must be performed only by qualified repair personnel.** Service or maintenance performed by unqualified personnel could result in a risk of injury. For example: internal wires may be misplaced or pinched, safety guard return springs may be improperly mounted.

**When servicing a tool, use only identical replacement parts.** Follow instructions in the Maintenance section of this manual. Use of unauthorized parts or failure to follow Maintenance Instructions may create a risk of electric shock or injury. Certain cleaning agents such as gasoline, carbon tetrachloride, ammonia, etc. may damage plastic parts.

**Hold tools by insulated gripping surfaces when performing an operation where the cutting tool may contact hidden wiring or its own cord.** Contact with a "live" wire will make exposed metal parts of the tool "live" and shock the operator. *Do not drill, fasten or break into existing walls or other blind areas where electrical wiring may exist. If this situation is unavoidable, disconnect all fuses or circuit breakers feeding this worksite.*

**Wear ear protectors when using the tool for extended periods.** Prolonged exposure to high intensity noise can cause hearing loss.

**Do not cut or drill into gas lines.** Use a metal detector to determine if there are metal pipes hidden in the work area or call the local utility company for assistance before beginning the operation. Striking or cutting into a gas line will result in explosion.

**Always use the side handle for maximum control over torque reaction or kick-back.**

**Never attempt to operate this tool with one hand.** The slip clutch engages if you firmly control the tool during a torque reaction or kickback.

**Always wear safety goggles or eye protection when using this tool.** Use a dust mask or respirator for applications which generate dust. Safety goggles or eye protection will help deflect fragments of the material that may be thrown toward your face and eyes. Dust generated or gases released from the material you are cutting (i.e. asbestos insulated pipes, radon) may cause respiratory difficulties.

**Use thick cushioned gloves and limit the exposure time by taking frequent rest periods.** Vibration caused by hammer-drill action may be harmful to your hands and arms.

**Position yourself to avoid being caught between the tool or side handle and walls**

**or posts.** Should the bit become bound or jammed in the work, the reaction torque of the tool could crush your hand or leg.

**Do not strike the bit with a handheld hammer or sledge hammer when attempting to dislodge a bound or jammed bit.** Fragments of metal from the bit could dislodge and strike you or bystanders.

**Never place the tool down until the motor has come to a complete stop.**

**Do not use dull or damaged bits and accessories.** Dull or damaged bits have a greater tendency to bind in the workpiece.

**When removing the bit from the tool avoid contact with skin and use proper protective gloves when grasping the bit or accessory.** Accessories may be hot after prolonged use.

**A WARNING** Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- Lead from lead-based paints,
- Crystalline silica from bricks and cement and other masonry products, and
- Arsenic and chromium from chemically-treated lumber.

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

**IMPORTANT:** Some of the following symbols may be used on your tool. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to operate the tool better and safer.

Symbol	Name	Designation/Explanation
V	Volts	Voltage (potential)
A	Amperes	Current
Hz	Hertz	Frequency (cycles per second)
W	Watt	Power
kg	Kilograms	Weight
min	Minutes	Time
s	Seconds	Time
Ø	Diameter	Size of drill bits, grinding wheels, etc.
n <sub>0</sub>	No load speed	Rotational speed, at no load
.../min	Revolutions or reciprocation per minute	Revolutions, strokes, surface speed, orbits etc. per minute
0	Off position	Zero speed, zero torque...
I, II, III, ...	Selector settings	Speed, torque or position settings. Higher number means greater speed
0 ↗	Infinitely variable selector with off	Speed is increasing from 0 setting
→	Arrow	Action in the direction of arrow
~	Alternating current	Type or a characteristic of current
==	Direct current	Type or a characteristic of current
~ =	Alternating or direct current	Type or a characteristic of current
□	Class II construction	Designates Double Insulated Construction tools.
⊕	Earthing terminal	Grounding terminal
⚠	Warning symbol	Alerts user to warning messages
	Ni-Cad RBRC seal	Designates Ni-Cad battery recycling program



This symbol designates that this tool is listed by Underwriters Laboratories.



This symbol designates that this tool is listed to Canadian Standards by Underwriters Laboratories.



This symbol designates that this tool is listed by the Canadian Standards Association.



This symbol designates that this tool is listed by Underwriters Laboratories, and listed to Canadian Standards by Underwriters Laboratories.



This symbol designates that this tool complies to NOM Mexican Standards.

**WARNING** Disconnect the plug from the power source before making any assembly, adjustments or changing accessories. Such preventive safety measures reduce the risk of starting the tool accidentally.

## Demolition Hammer

FIG. 1

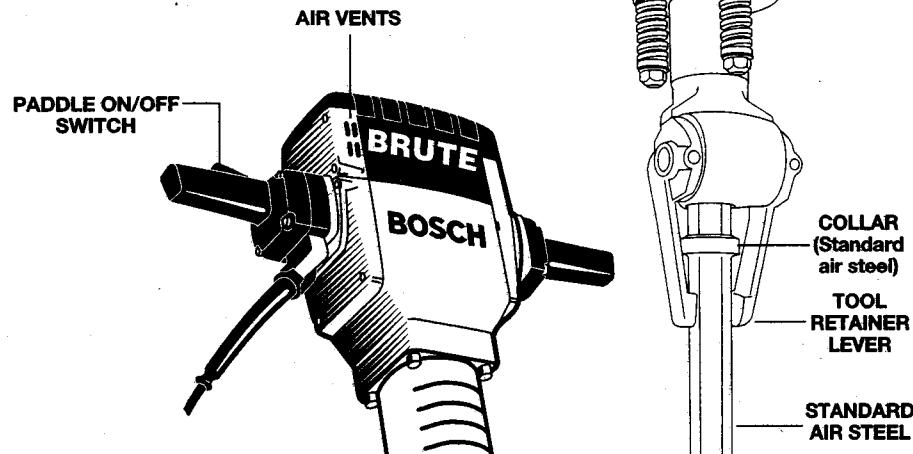


FIG. 2

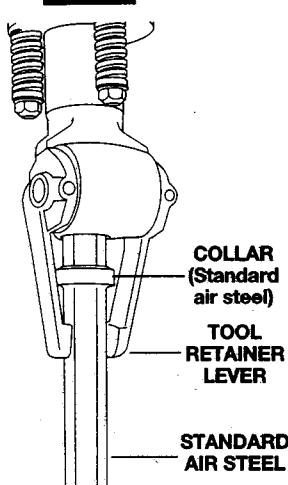
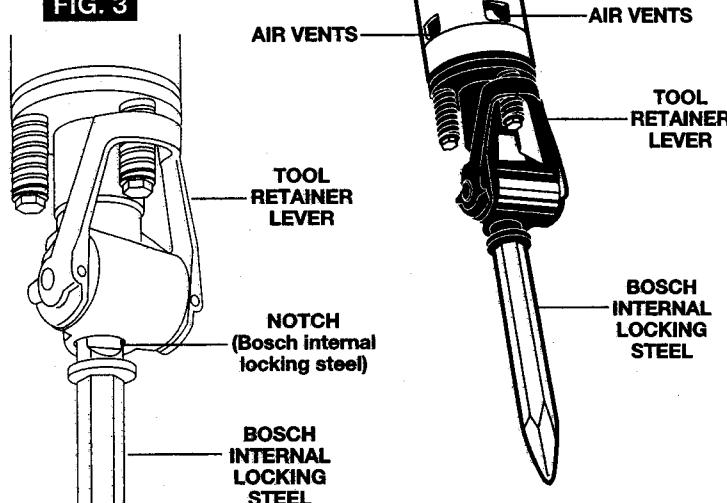


FIG. 3



Model number

11304

Voltage rating

120 V ~ 50 - 60Hz

Amperage rating

15.0 A

No load speed

$n_0$  1,340/min

Shank style

Standard 1-1/8" hex, air tool steel or Bosch internal locking steel.

### PADDLE "ON/OFF" SWITCH

The paddle switch enables the operator to control the switch functions of "ON /OFF".

TO SWITCH THE TOOL "ON": Squeeze and hold the paddle lever. TO SWITCH THE TOOL "OFF": Release pressure on the paddle lever. The switch is spring loaded and will return automatically.

### INSTALLING ACCESSORIES

Clean the insert shank end of the accessory to remove any debris, then lightly grease with a light oil or lubricant. If work is to be done where the accessories are changed frequently and laid in dirt, sand or concrete dust, it is best not to grease the shank after wiping clean.

To lock standard air steel in place, lower the tool retainer lever all the way down and around the bottom and raise lever all the way up to the opposite side. To lock, insert air steel up to the striker and lower the retainer lever around the shank below the accessory collar as shown in figure 2.

To lock Bosch internal locking steel in place, lower tool retainer until you can slide the internal locking steel up to the striker. NOTE: notch on internal locking steel should always face toward the retainer lever. To lock, raise the tool retainer lever all the way up as shown in figure 3.

NOTE: The high efficiency available from the rotary hammers can only be obtained if sharp and undamaged accessories are used. The "cost" to maintain sharp and undamaged accessories is more than offset by the "time saved" in operating the tool with sharp accessories.

### REMOVING ACCESSORIES

**WARNING** Accessories may be hot after use. Avoid contact with skin and use proper protective gloves or cloth to remove.

To remove an accessory, reverse the previous directions. All accessories should be wiped clean after removing.

### "TOOL TIPS"

The tool may be switched on with either hand. Balance the tool with both hands and rest the tool on the hip.

For the best penetration rates in concrete, run the tool with a steady pressure, but do not use excessive force as this will decrease the efficiency of the tool. Start chipping with the tool in a straight in position until the surface to be broken is chipped. Draw the hammer back at an angle of 60° with the surface to be broken. Apply only enough force to keep the tool weight on the accessory.

All grease packed hammers require a short period of time to warm up. Depending on the room temperature, this time may vary from approximately 15 seconds (90°F) to 2

minutes (32°F). A new hammer requires a break-in period before full performance is realized. This period may require up to 5 hours of operation.

Avoid no load running of the tool. No load or "empty blows" is the most damaging factor to any impact hammer.

An electric hammer is likely to be the most expensive portable tool at the construction job. The long wear and efficient operation of the BOSCH hammers will more than justify the cost for tools of this type. As earlier pointed out, sharp accessories as well as clean air vents are necessary for efficient operation. Establish and follow a set maintenance program.

## Service

**WARNING** Preventive maintenance performed by unauthorized personnel may result in misplacing of internal wires and components which could cause serious hazard. We recommend that all tool service be performed by a Bosch Factory Service Center or Authorized Bosch Service Station.

## TOOL LUBRICATION

Your Bosch tool has been properly lubricated and is ready to use. It is recommended that tools with gears be regreased with a special gear lubricant at every brush change.

## CARBON BRUSHES

The brushes and commutator in your tool have been engineered for many hours of dependable service.

Your tool is equipped with a Pop-out brush system. The tool will shut off when brush replacement, lubrication and preventive maintenance are needed.

Only genuine Bosch replacement brushes specially designed for your tool should be used.

## BEARINGS

Every second brush change, the bearings should be replaced at Bosch Factory Service Center or Authorized Bosch Service Station. Bearings which become noisy (due to heavy load or very abrasive material cutting) should be replaced at once to avoid overheating or motor failure.

## Cleaning

**WARNING** To avoid accidents always disconnect the tool from the power supply before cleaning or performing any maintenance. The tool may be cleaned most effectively with compressed dry air. Always wear safety goggles when cleaning tools with compressed air.

Ventilation openings and switch levers must be kept clean and free of foreign matter. Do not attempt to clean by inserting pointed objects through openings.

**CAUTION** Certain cleaning agents and solvents damage plastic parts. Some of these are: gasoline, carbon tetrachloride, chlorinated cleaning solvents, ammonia and household detergents that contain ammonia.

## Accessories

**WARNING** If an extension cord is necessary, a cord with adequate size conductors that is capable of carrying the current necessary for your tool must be used. This will prevent excessive voltage drop, loss of power or overheating. Grounded tools must use 3-wire extension cords that have 3-prong plugs and receptacles.

**NOTE:** The smaller the gauge number, the heavier the cord.

### RECOMMENDED SIZES OF EXTENSION CORDS 120 VOLT ALTERNATING CURRENT TOOLS

Tool's Ampere Rating	Cord Size in A.W.G.				Wire Sizes in mm <sup>2</sup>			
	Cord Length in Feet				Cord Length in Meters			
	25	50	100	150	15	30	60	120
3-6	18	16	16	14	.75	.75	1.5	2.5
6-8	18	16	14	12	.75	1.0	2.5	4.0
8-10	18	16	14	12	.75	1.0	2.5	4.0
10-12	16	16	14	12	1.0	2.5	4.0	—
12-16	14	12	—	—	—	—	—	—

\* Hammer hauler (Model 11304K only)

(\*= standard equipment)

(\*\*= optional accessories)

## AVERTISSEMENT

**Vous devez lire et comprendre toutes les instructions.** Le non-respect, même partiel, des instructions ci-après entraîne un risque de choc électrique, d'incendie et/ou de blessures graves.

## CONSERVEZ CES INSTRUCTIONS

## Aire de travail

Veillez à ce que l'aire de travail soit propre et bien éclairée. Le désordre et le manque de lumière favorisent les accidents.

**N'utilisez pas d'outils électriques dans une atmosphère explosive, par exemple en présence de liquides, de gaz ou de poussières inflammables.** Les outils électriques créent des étincelles qui pourraient enflammer les poussières ou les vapeurs.

**Tenez à distance les curieux, les enfants et les visiteurs pendant que vous travaillez avec un outil électrique.** Ils pourraient vous distraire et vous faire faire une fausse manœuvre.

## Sécurité électrique

Les outils à double isolation sont équipés d'une fiche polarisée (une des lames est plus large que l'autre), qui ne peut se brancher que d'une seule façon dans une prise polarisée. Si la fiche n'entre pas parfaitement dans la prise, inversez sa position ; si elle n'entre toujours pas bien, demandez à un électricien qualifié d'installer une prise de courant polarisée. Ne modifiez pas la fiche de l'outil. La double isolation  élimine le besoin d'un cordon d'alimentation à trois fils avec mise à la terre ainsi que d'une prise de courant mise à la terre. Avant de brancher l'outil, assurez-vous que la tension de la prise correspond, à celle indiquée sur la plaque signalétique. N'utilisez pas d'outils prévus pour courant alternatif seulement avec une source de courant continu.

Évitez tout contact corporel avec des surfaces mises à la terre ( tuyauterie, radiateurs, cuisinières, réfrigérateurs, etc.). Le risque de choc électrique est plus grand si votre corps est en contact avec la terre. Si l'utilisation de l'outil électrique dans un endroit humide est inévitable, un disjoncteur de fuite à la terre doit être utilisé pour alimenter votre outil. Des chaussures et des gants en caoutchouc d'électricien contribueront à accroître davantage votre sécurité personnelle.

**N'exposez pas les outils électriques à la pluie ou à l'eau.** La présence d'eau dans un outil électrique augmente le risque de choc électrique.

**Ne maltraitez pas le cordon.** Ne transportez pas l'outil par son cordon et ne débranchez pas la fiche en tirant sur le cordon. N'exposez pas le cordon à la chaleur, à des huiles, à des arêtes vives ou à des pièces en mouvement. Remplacez immédiatement un cordon endommagé. Un cordon endommagé augmente le risque de choc électrique.

Lorsque vous utilisez un outil électrique à l'extérieur, employez un prolongateur pour l'extérieur marqué « W-A » ou « W ». Ces cordons sont faits pour être utilisés à l'extérieur et réduisent le risque de choc électrique. Reportez-vous aux « Dimensions recommandées des cordons de rallonge » dans la section Accessoires de ce manuel.

## Sécurité des personnes

Restez alerte, concentrez-vous sur votre travail et faites preuve de jugement. N'utilisez pas un outil électrique si vous êtes fatigué ou sous l'influence de drogues, d'alcool ou de médicaments. Un instant d'inattention suffit pour entraîner des blessures graves.

Habillez-vous convenablement. Ne portez ni vêtements flottants ni bijoux. Confiez les cheveux longs. N'approchez jamais les cheveux, les vêtements ou les gants des pièces en mouvement. Des vêtements flottants, des bijoux ou des cheveux longs risquent d'être happés par des pièces en mouvement. Gardez les poignées sèches, propres et exemptes d'huile et de graisse.

Méfiez-vous d'un démarrage accidentel. Avant de brancher l'outil, assurez-vous que son interrupteur est sur ARRET. Le fait de transporter un outil avec le doigt sur la détente ou de brancher un outil dont l'interrupteur est en position MARCHE peut mener tout droit à un accident.

Enlevez les clés de réglage ou de serrage avant de démarrer l'outil. Une clé laissée dans une pièce tournante de l'outil peut provoquer des blessures.

Ne vous penchez pas trop en avant. Maintenez un bon appui et restez en équilibre en tout temps. Un bonne stabilité vous permet de mieux réagir à une situation inattendue.

Utilisez des accessoires de sécurité. Portez toujours des lunettes ou une visière. Selon les conditions, portez aussi un masque antipoussière, des bottes de sécurité antidérapantes, un casque protecteur et/ou un appareil antibruit.

## Utilisation et entretien des outils

Immobilisez le matériau sur une surface stable au moyen de brides ou de toute autre façon adéquate. Le fait de tenir la pièce avec la main ou contre votre corps offre une stabilité insuffisante et peut amener un dérapage de l'outil.

**Ne forcez pas l'outil.** Utilisez l'outil approprié à la tâche. L'outil correct fonctionne mieux et de façon plus